

Form PTO-1449 (modified)		Atty. Docket No. UTXC:504/WIM	Serial No. 08/726,211
List of Patents and Publications for Applicant's		Applicant Mar Tormo, et al.	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Filing Date: October 4, 1996	Group: UNKNOWN 1636
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>	



U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.

Foreign Patent Documents

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	B1	0 252 685	1-13-88	PCT			

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Exam. Init.	Ref. Des.	Citation
<i>BR</i>	C1	Allsopp <i>et al.</i> , "The Proto-Oncogene bcl-2 Can Selectively Rescue Neurotrophic Factor-Dependent Neurons from Apoptosis," <i>Cell</i> , 73:295, 1993.
<i>BR</i>	C2	Bakhshi <i>et al.</i> , "Cloning the Chromosomal Breakpoint of t(14;18) Human Lymphomas: Clustering around J _H on Chromosome 14 and near a Transcriptional Unit on 18," <i>Cell</i> , 41:899, 1985.
<i>BR</i>	C3	Boise, <i>et al.</i> , "bcl-x, a bcl-2-Related Gene That Functions as a Dominant Regulator of Apoptotic Cell Death", <i>Cell</i> , 74:597-608, 1993.
<i>BR</i>	C4	Borzillo <i>et al.</i> , "Bcl-2 Confers Growth and Survival Advantage to Interleukin 7-dependent Early Pre-B Cells Which Become Factor Independent by a Multistep Process in Culture," <i>Oncogene</i> , 7:869, 1992.
<i>BR</i>	C5	Campos <i>et al.</i> , "Effects of BCL-2 Antisense Oligodeoxynucleotideson In Vitro Proliferation and Survival of Normal Marrow Progenitors and Leukemic Cells," <i>Blood</i> , 84:595, 1994.
<i>BR</i>	C6	Cazals-Hatem <i>et al.</i> , "Molecular Cloning and DNA Sequence Analysis of cDNA Encoding Chicken Homologue of the Bcl-2 Oncoprotein," <i>Biochim. Biophys. Acta</i> , 1132:109, 1992.
<i>BR</i>	C7	Chao, <i>et al.</i> , "Bcl-x _L and Bcl-2 Repress a Common Pathway of Cell Death," <i>J. Exp. Med.</i> , 182:821-828, 1995.
<i>BR</i>	C8	Chen <i>et al.</i> , "Suppression of Bcl-2 Messenger RNA Production May Mediate Apoptosis after Ionizing Radiation, Tumor Necrosis Factor α , and Ceramide," <i>Cancer Res.</i> , 55:991-994, 1995.

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Maja Jankovic

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<i>pw</i>	C9	Chen-Levy and Cleary, "Membrane Topology of the Bcl-2 Protooncogenic Protein Demonstrated <i>in Vitro</i> ," <i>J. Biol. Chem.</i> 265:4929, 1990.
<i>pw</i>	C10	Chen-Levy <i>et al.</i> , "The <i>bcl-2</i> Candidate Proto-Oncogene Product Is a 24-Kilodalton Integral-Membrane Protein Highly Expressed in Lymphoid Cell Lines and Lymphomas Carrying the t(14;18) Translocation," <i>Mol. Cell. Biol.</i> , 9:701, 1989.
<i>pw</i>	C11	Cheng <i>et al.</i> , "Bax-independent inhibition of apoptosis by Bcl-x _L ," <i>Nature</i> , 279:554-556, 1996.
<i>pw</i>	C12	Chittenden <i>et. al.</i> , "Induction of apoptosis by the Bcl-2 homologue Bak," <i>Nature</i> , 374:733, 1995.
<i>pw</i>	C13	Choi <i>et al.</i> , "The role of bcl-X _L in CD40-mediated rescue from anti-μ-induced apoptosis in WEHI-231 B lymphoma cells," <i>Eur. J. Immunol.</i> , 25:1352-1357, 1995.
<i>pw</i>	C14	Clarke <i>et al.</i> , "A recombinant <i>bcl-x_S</i> adenovirus selectively induces apoptosis in cancer cells but not in normal bone marrow cells," <i>Proc. Natl. Acad. Sci. USA</i> , 92:11024-11028, 1995.
<i>pw</i>	C15	Cleary <i>et al.</i> , "Cloning and Structural Analysis of cDNAs for <i>bcl-2</i> and a Hybrid <i>bcl-2</i> /Immunoglobulin Transcript Resulting from the t(14;18) Translation," <i>Cell</i> , 47:19, 1986.
<i>pw</i>	C16	Cuende <i>et al.</i> , Programmed cell death by <i>bcl-2</i> -dependent and independent mechanisms in B lymphoma cells," <i>EMBO J.</i> , 12:1555-1560, 1993.
<i>pw</i>	C17	Datta <i>et al.</i> , "Overexpression of Bcl-x _L by Cytotoxic Drug Exposure Confers Resistance to Ionizing Radiation-induced Internucleosomal DNA Fragmentation," <i>Cell Growth & Differentiation</i> , 6:363-370, 1995.
<i>pw</i>	C18	Dole <i>et al.</i> , "Bcl-x _L Is Expressed in Neuroblastoma Cells and Modulates Chemotherapy-Induced Apoptosis," <i>Cancer Res.</i> , 55:2576-2582, 1995.
<i>pw</i>	C19	Duke <i>et. al.</i> , "Morphological, biochemical and flow cytometric assays of apoptosis," In: Coligan <i>et. al</i> (eds) <i>Current protocols in immunology</i> , vol 1., New York: John Wiley & sons, p 3.17.1, 1991.
<i>pw</i>	C20	Eguchi <i>et al.</i> , "Isolation and Characterization of the Chicken <i>bcl-2</i> Gene: Expression in a Variety of Tissues Including Lymphoid and Neuronal Organs in Adult and Embryo," <i>Nucl. Acids. Res.</i> , 20:4187, 1992.
<i>pw</i>	C21	Frankowski <i>et al.</i> , "Function and expression of the <i>Bcl-x</i> gene in the developing and adult nervous system," <i>NeuroReport</i> , 6:1917-1921, 1995.

EXAMINER: *Mar Tormo*

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<i>mv</i>	C22	Garcia <i>et al.</i> , "Prevention of Programmed Cell Death of Sympathetic Neurons by the <i>bcl-2</i> Proto-Oncogene," <i>Science</i> , 258:302, 1992.
<i>mv</i>	C23	González-García <i>et al.</i> , " <i>bcl-x</i> is expressed in embryonic and postnatal neural tissues and functions to prevent neuronal cell death," <i>Proc. Natl. Acad. Sci. USA.</i> , 92:4304-4308, 1995.
<i>mv</i>	C24	González-García <i>et al.</i> , " <i>bcl-x_L</i> is the major <i>bcl-x</i> mRNA form expressed during murine development and its product localizes to mitochondria," <i>Development</i> , 120:3033-3042, 1994.
<i>mv</i>	C25	Gottschalk <i>et al.</i> , "Identification of immunosuppressant-induced apoptosis in a murine B-cell line and its prevention by <i>bcl-x</i> but not <i>bcl-2</i> ," <i>Proc. Natl. Acad. Sci. USA.</i> , 91:7350-7354, 1994.
<i>mv</i>	C26	Gottschalk <i>et al.</i> , "The ability of <i>Bcl-x_L</i> and <i>Bcl-2</i> to prevent apoptosis can be differentially regulated," <i>Death and Differentiation</i> , 3:113-118, 1996.
<i>mv</i>	C27	Graninger <i>et al.</i> , "Expression of <i>bcl-2</i> and <i>bcl-2</i> -Ig fusion transcripts in normal and neoplastic cells," <i>J. Clin. Invest.</i> , 80:1512, 1987.
<i>mv</i>	C28	Grillot <i>et al.</i> , " <i>bcl-x</i> Exhibits Regulated Expression During B Cell Development and Activation and Modulates Lymphocyte Survival in Transgenic Mice," <i>J. Exp. Med.</i> , 183:381-391, 1996.
<i>mv</i>	C29	Hockenberry <i>et al.</i> , " <i>Bcl-2</i> is an inner mitochondrial membrane protein that blocks programmed cell death," <i>Nature</i> , 348:334, 1990.
<i>mv</i>	C30	Jäättelä <i>et al.</i> , " <i>Bcl-x</i> and <i>Bcl-2</i> inhibit TNF and Fas-induced apoptosis and activation of phospholipase A ₂ in breast carcinoma cells," <i>Oncogene</i> , 10:2297-2305, 1995.
<i>mv</i>	C31	Jasty <i>et al.</i> , " <i>bcl-x_L</i> , A Gene Which Regulates Programmed Cell Death, Is Expressed In Neuroblastoma Tumor Cell Lines (abstract)," <i>Clinical Res.</i> , 42:416A, 1994.
<i>mv</i>	C32	Kiefer <i>et. al.</i> , "Modulation of apoptosis by the widely distributed <i>Bcl-2</i> homologue <i>Bak</i> ," <i>Nature</i> , 374: 736, 1995.
<i>mv</i>	C33	Kitada <i>et al.</i> , "Investigations of antisense oligonucleotides targeted against <i>bcl-2</i> RNAs," <i>Antisense Res. Dev.</i> , 3:157, 1993.
<i>mv</i>	C34	Kozopas <i>et al.</i> , " <i>MCL-1</i> , a gene expressed in programmed myeloid cell differentiation, has sequence similarity to <i>BCL-2</i> ," <i>Proc. Nat'l Acad. Sci. USA</i> , 90:3516, 1993.

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Bob A. Schuster

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<i>dw</i>	C35	Krajewski <i>et al.</i> , "Immunohistochemical Analysis of <i>In Vivo</i> Patterns of Bcl-x Expression," <i>Cancer Res.</i> , 54:5501-5507, 1994.
<i>dw</i>	C36	Kramer <i>et al.</i> , "Self-specific T lymphocyte lines as vehicles for gene therapy: myelin specific T cells carrying exogenous nerve growth factor gene (abstract)," <i>J. Cell. Biochem.</i> , Suppl. 0 (17 Part E):215, 1993.
<i>dw</i>	C37	Lin <i>et. al.</i> , "Characterization of A1, a novel hemopoietic-specific early-response gene with sequence similarity to BCL-2," <i>J. Immunol.</i> , 151:1979, 1993.
<i>dw</i>	C38	McCarthy <i>et al.</i> , "Apoptosis in the development of the immune system: Growth factors, clonal selection and <i>bcl-2</i> ," <i>Cancer Metastasis Reviews</i> , 11:157-178, 1992.
<i>n</i>	C39	McDonnell <i>et. al.</i> , "Bcl-2-immunoglobulin transgenic mice demonstrate extended B cell survival and follicular lymphoproliferation," <i>Cell</i> , 57:79, 1989.
<i>dw</i>	C40	McDonnell, <i>et al.</i> , "The <i>bcl-2</i> -Immunoglobulin Transgenic Mouse: A Model of the t(14;18) Translocation in Human Follicular Lymphoma," <i>Transgene</i> , 1:47, 1993.
<i>dw</i>	C41	Minn <i>et al.</i> , "Expression of Bcl-x _L can Confer a Multidrug Resistance Phenotype," <i>Blood</i> , 86:1903-1910, 1995.
<i>n</i>	C42	Miyashita <i>et. al.</i> , "Tumor suppressor p53 is a regulator of <i>bcl-2</i> and <i>bax</i> gene expression <i>in vitro</i> and <i>in vivo</i> ," <i>Oncogene</i> , 9:1799, 1994.
<i>dw</i>	C43	Núñez <i>et al.</i> , "BCL-X is expressed in embryonic and adult neuronal tissues and its expression prevents neuronal cell death (abstract)," <i>J. Cell. Biochem.</i> , Supplement 0 (19B), B8-438, p. 317, 1995.
<i>dw</i>	C44	Núñez <i>et al.</i> , "Deregulated BCL-2 gene expression selectively prolongs survival of growth factors-deprived hemopoietic cell lines," <i>J. Immunol.</i> , 144:3602, 1990.
<i>dw</i>	C45	Oltvai <i>et al.</i> , "Bcl-2 Heterodimerizes <i>In Vivo</i> with a Conserved Homolog, Bax, That Accelerates Programmed Cell Death", <i>Cell</i> 74:609-619, 1993.
<i>n</i>	C46	Oppenheim <i>et al.</i> , "Brain-derived neurotrophic factor rescues developing avian motoneurons from cell death," <i>Nature</i> , 360:755-757, 1992.
<i>n</i>	C47	Raff, M.C., "Social controls on cell survival and cell death," <i>Nature</i> , 356:397-400, 1992.
<i>dw</i>	C48	Reed <i>et al.</i> , "Bcl-2-mediated tumorigenicity in a human T-lymphoid cell line: synergy with c-myc and inhibition by Bcl-2 antisense," <i>Proc. Nat'l Acad. Sci. USA</i> , 87:3660, 1990b.

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Not A. Salazar

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<i>DR</i>	C49	Reed <i>et al.</i> , "Antisense-Mediated Inhibition Of BCL-2 Protooncogene Expression And Leukemic Cell Growth And Survival: Comparisons Of Phosphodiester and Phosphorothioate Oligodeoxynucleotides," <i>Cancer Res.</i> , 50: 6565, 1990.
<i>DR</i>	C50	Reed <i>et al.</i> , "Regulation of <i>bcl-2</i> Proto-Oncogene Expression During Normal Human Lymphocyte Proliferation," <i>Science</i> , 236:1295, 1987.
<i>DR</i>	C51	Reed, <i>et al.</i> , "Bcl-2: prevention of apoptosis as a mechanism of drug resistance," <i>Hematol. Oncol. Clin. North Am.</i> , 9:451, 1995.
<i>DR</i>	C52	Sato <i>et al.</i> , "Interactions among members of the Bcl-2 protein family analyzed with a yeast two-hybrid system," <i>Proc. Natl. Acad. Sci. USA.</i> , 91:9238-9242, 1994.
<i>DR</i>	C53	Schott <i>et al.</i> , "Bcl-x _L protects cancer cells from p53-mediated apoptosis," <i>Oncogene</i> , 11(7):1389-1394, 1995.
<i>DR</i>	C54	Schott, <i>et al.</i> , "BCL-X _L Protects Cells from P53-Mediated Apoptosis", <i>Journal of Investigative Medicine</i> 43 (SUPPL. 3) 458A, 1995
<i>DR</i>	C55	Sedlak <i>et al.</i> , "Multiple Bcl-2 family members demonstrate selective dimerization with Bax," <i>Proc. Nat'l Acad. Sci. USA</i> , 92:7834, 1995.
<i>DR</i>	C56	Sentman <i>et al.</i> , "bcl-2 Inhibits Multiple Forms of Apoptosis but Not Negative Selection in Thymocytes," <i>Cell</i> , 67:879, 1991.
<i>DR</i>	C57	Siegel <i>et al.</i> , "Inhibition of thymocyte apoptosis and negative and antigenic selection in <i>bcl-2</i> transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> , 89:7003, 1992.
<i>DR</i>	C58	Strasser <i>et al.</i> , "bcl-2 Transgene Inhibits T Cell Death and Perturbs Thymic Self-Censorship," <i>Cell</i> , 67:889, 1991.
<i>DR</i>	C59	Strasser <i>et al.</i> , "Enforced <i>BCL2</i> Expression in B-lymphoid Cells Prolongs Antibody Responses and Elicits Autoimmune Disease," <i>Proc. Natl. Acad. Sci. USA</i> , 88:8661, 1991.
<i>DR</i>	C60	Sumantran <i>et al.</i> , "Overexpression of Bcl-x _S Sensitizes MCF-7 Cells to Chemotherapy-Induced Apoptosis," <i>Cancer Res.</i> , 55:2507-2510, 1995.
<i>DR</i>	C61	Thompson, C. B., "Apoptosis in the Pathogenesis and Treatment of Disease," <i>Science</i> , 267:1456-1462, 1995.

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<i>MT</i>	C62	Tormo <i>et al.</i> , "Antitumor activity of liposomal-bcl-2-antisense oligonucleotides in follicular lymphoma (abstract)," <i>Proc. Am. Assoc. Cancer. Res.</i> , 37:1190, 1996.
<i>MT</i>	C63	Tsujimoto and Croce, "Analysis of the structure, transcripts, and protein products of <i>bcl-2</i> , the gene involved in human follicular lymphoma," <i>Proc. Natl. Acad. Sci. USA</i> , 83:5214, 1986.
<i>MT</i>	C64	Tsujimoto <i>et. al.</i> , "Characterization of the protein product of <i>bcl-2</i> , the gene involved in human follicular lymphoma," <i>Oncogene</i> , 2:3, 1987.
<i>MT</i>	C65	Tsujimoto <i>et. al.</i> , "The t(14;18) chromosome translocation involved in B-cell neoplasms result from mistakes in VDJ joining," <i>Science</i> , 229:1390, 1985.
<i>MT</i>	C66	Vaux <i>et al.</i> , "Bcl-2 gene promotes haemopoietic cell survival and cooperates with <i>c-myc</i> to immortalize pre-B cells," <i>Nature</i> , 335:440, 1988.
<i>MT</i>	C67	Webb <i>et al.</i> , "Extrathymic Tolerance of Mature T Cells: Clonal Elimination as a Consequence of Immunity," <i>Cell</i> , 63:1249, 1990.
<i>MT</i>	C68	Williams, G. T., "Programmed Cell Death: Apoptosis and Oncogenesis," <i>Cell</i> , 65:1097-1098, 1991.
<i>MT</i>	C69	Wrone-Smith, <i>et al.</i> , "Discordant Expression of Bcl-x and Bcl-2 by Keratinocytes <i>in Vitro</i> and Psoriatic Keratinocytes <i>in Vivo</i> ," <i>Am. J. Pathology</i> , 146:1079-1088, 1995.
<i>MT</i>	C70	Yang <i>et al.</i> , "Bad, a Heterodimeric Partner for Bcl-X _L and Bcl-2, Displaces Bax and Promotes Cell Death," <i>Cell</i> , 80:285, 1995.
<i>MT</i>	C71	Yin <i>et. al.</i> , "BH1 and BH2 domains of Bcl-2 are required for inhibition of apoptosis and heterodimerization with Bax," <i>Nature</i> , 369: 321, 1994.
<i>MT</i>	C72	Zhang <i>et al.</i> , "Gene therapy for the peripheral nervous system rat neuritogenic T cell line carry mouse nerve growth factor gene (abstract)," <i>J. Cell. Biochem.</i> , Suppl. 0 (17 Part E):SZ-116, 1993.

EXAMINER:	<i>Mark A. Hunter</i>	DATE CONSIDERED:	<i>3/2/98</i>
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Mar Tormo, et al

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<i>dw</i>	A1	5,015,568	05-14-91	Tsujimoto et al.	435	5	07-09-86
<i>dw</i>	A2	5,202,429	04-13-93	Tsujimoto et al.	536	23.5	04-19-91
<i>dw</i>	A3	5,459,251	10-17-95	Tsujimoto et al.	536	23.5	04-18-94
<i>dw</i>	A4	5,539,085	07-23-96	Bischoff et al.	530	350	08-20-93
<i>m</i>	A5	5,539,094	07-23-96	Reed et al.	536	23.5	11-12-93
<i>dw</i>	A6	5,565,337	10-15-96	Diamond et al.	435	70.2	08-23-94
<i>ba</i>	A7	5,622,852	04-22-97	Korsmeyer	435	325	10-31-94

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<i>dw</i>	B2	WO 93/24653	12-09-93	PCT	—	—	
<i>ba</i>	B3	WO 95/28497	10-26-95	PCT	—	—	
<i>dw</i>	B4	WO 96/27663	09-12-96	PCT	—	—	

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<i>dw</i>	C73	Bradbury et al., "Down-Regulation of bcl-2 in AML Blasts by All-Trans Retinoic Acid and Its Relationship of CD34 Antigen Expression," British Journal of Haematology, 94:671-675, 1996.
<i>ba</i>	C74	Capaccioli et al., "A bcl-2/IgH Antisense Transcript Deregulates bcl-2 Gene Expression in Human Follicular Lymphoma t(14;18) Cell Lines," Oncogene, 13:105-115, 1996.
<i>dw</i>	C75	Masserano et al., "Dopamine Induces Apoptotic Cell Death of a Catecholaminergic Cell Line Derived from the Central Nervous System," Molecular Pharmacology, 50:1309-1315, 1996.

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Atty. Docket No.
UTXC:504/CODSerial No.
08/726,211

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

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<i>AN</i>	A9	5,135,917	08-04-92	Burch	514	44	07-12-90
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